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(FILE 'HOME' ENTERED AT 08:54:54 ON 09 OCT 2008)

FILE 'STNGUIDE' ENTERED AT 08:54:57 ON 09 OCT 2008

FILE 'ZCAPLUS' ENTERED AT 08:55:08 ON 09 OCT 2008
    E US2006-541250/AP,PRN

FILE 'WPIX' ENTERED AT 08:55:23 ON 09 OCT 2008
    E US2006-541250/AP,PRN
L1      2 SEA ABB=ON  PLU=ON  US2006-541250/AP,PRN

FILE 'STNGUIDE' ENTERED AT 08:55:46 ON 09 OCT 2008
    D QUE L1

FILE 'WPIX' ENTERED AT 08:56:02 ON 09 OCT 2008
    D IALL CODE 1-2

FILE 'STNGUIDE' ENTERED AT 08:56:03 ON 09 OCT 2008

FILE 'ZCAPLUS' ENTERED AT 09:04:26 ON 09 OCT 2008
    E BIOMECHANIC/CT
    E SIMULATION/CT
    E E57+ALL
L2      QUE ABB=ON  PLU=ON  "SIMULATION AND MODELING, BIOLOGICAL"+PFT,OLD,NEW,NT/CT
L3      QUE ABB=ON  PLU=ON  "SIMULATION AND MODELING"+PFT,OLD,NEW,NT/CT

    E BONE/CT
L4      QUE ABB=ON  PLU=ON  BONE+PFT,OLD,NEW,NT/CT
    E JOINTS/CT
    E E84+ALL
    E E77+ALL
L5      QUE ABB=ON  PLU=ON  JOINTS+PFT,OLD,NEW,NT/CT
L6      QUE ABB=ON  PLU=ON  "JOINTS (PHYSIOLOGICAL)" +PFT,OLD,NEW,NT/CT

L7      QUE ABB=ON  PLU=ON  "JOINT, ANATOMICAL"+PFT,OLD,NEW,NT/CT
    E SKELETON/CT
    E E94+ALL
L8      QUE ABB=ON  PLU=ON  SKELETON+PFT,OLD,NEW,NT/CT
    E SPINE/CT
    E E125+ALL
L9      QUE ABB=ON  PLU=ON  "SPINAL COLUMN"+PFT,OLD,NEW,NT/CT
    E VERTEBRAE/CT
    E E137+ALL
    E LUMBAR/CT
    E E155+ALL
L10     QUE ABB=ON  PLU=ON  BIOMED? OR BIOMECH? OR ANATOMIC? OR
    PHYSIOLOG? OR (BIO(1W)(MEDICAL? OR MECHANIC?))
L11     QUE ABB=ON  PLU=ON  SIMULAT? OR MODEL? OR VISUALIZ? OR
    VISUALIZ?
L12     QUE ABB=ON  PLU=ON  IMAGE OR IMAGING
L13     QUE ABB=ON  PLU=ON  DIGITAL?
L14     QUE ABB=ON  PLU=ON  JOINT OR KNEE OR HIP OR SHOULDER OR NECK
    OR ANKLE OR WRIST OR ELBOW
L15     QUE ABB=ON  PLU=ON  SKELETON OR SKELETAL?
L*** DEL QUE CONSTRAINT
L16     QUE ABB=ON  PLU=ON  CONSTRAIN?
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L17 QUE ABB=ON PLU=ON PARAMETER  
 L18 QUE ABB=ON PLU=ON STIFFNESS  
 L19 QUE ABB=ON PLU=ON FLEXIBIL?  
 L20 QUE ABB=ON PLU=ON GEOMETRIC?  
 L21 QUE ABB=ON PLU=ON REFERENCE  
 L22 QUE ABB=ON PLU=ON EQUILIBRIUM  
 L23 QUE ABB=ON PLU=ON SPINE OR SPINAL OR VERTEB? OR LUMBAR  
 L24 QUE ABB=ON PLU=ON A61B0019/IPC  
 L25 QUE ABB=ON PLU=ON G06F0017/IPC  
 L26 QUE ABB=ON PLU=ON G06F0019/IPC  
 L27 QUE ABB=ON PLU=ON G06T0007/IPC  
 L28 QUE ABB=ON PLU=ON EL BAROUDI, F?/AU  
 L29 QUE ABB=ON PLU=ON ELBAROUDI, F?/AU  
 L30 QUE ABB=ON PLU=ON EL-BAROUDI, F?/AU  
 L31 QUE ABB=ON PLU=ON (AXS (1A) (INGENIERIE OR ING)) /CS, SO, PA  
 L32 QUE ABB=ON PLU=ON BONE OR BONY OR BONINESS

FILE 'HCAPLUS' ENTERED AT 09:18:55 ON 09 OCT 2008

L33 2532 SEA ABB=ON PLU=ON (L2 OR L3) (L) ((L14 OR L15) OR L32 OR  
 L23)  
 L34 4 SEA ABB=ON PLU=ON L33 (L) L13

FILE 'STNGUIDE' ENTERED AT 09:20:42 ON 09 OCT 2008

FILE 'HCAPLUS' ENTERED AT 09:23:10 ON 09 OCT 2008

L35 1 SEA ABB=ON PLU=ON L33 AND L27  
 L36 0 SEA ABB=ON PLU=ON L33 AND L24  
 L37 QUE ABB=ON PLU=ON COMPUT?  
 L38 73 SEA ABB=ON PLU=ON L33 (L) L37  
 L39 51 SEA ABB=ON PLU=ON (L4 OR L5 OR L6 OR L7 OR L8 OR L9) (L) ((L13  
 OR L37) (L) L11)  
 L40 107 SEA ABB=ON PLU=ON L34 OR L35 OR L36 OR (L38 OR L39)

FILE 'STNGUIDE' ENTERED AT 09:25:17 ON 09 OCT 2008

FILE 'ZCAPLUS' ENTERED AT 09:25:44 ON 09 OCT 2008

L41 QUE ABB=ON PLU=ON 3DIMENS? OR ((3 OR THREE) (1W) (D OR  
 DIMEN?))  
 L42 QUE ABB=ON PLU=ON CUSTOMIS? OR PERSONALIS? OR PARTICULARIS?  
 OR CUSTOMIZ? OR PERSONALIZ? OR PARTICULARIZ?

FILE 'HCAPLUS' ENTERED AT 09:27:31 ON 09 OCT 2008

FILE 'ZCAPLUS' ENTERED AT 09:27:39 ON 09 OCT 2008

E COMPUTERIZED SIMULATION/CT  
 E COMPUTER SIMULATIO/CT  
 E E179+ALL

FILE 'HCAPLUS' ENTERED AT 09:28:11 ON 09 OCT 2008

L43 107 SEA ABB=ON PLU=ON L40 AND (L13 OR L37 OR (L16 OR L17 OR L18  
 OR L19 OR L20 OR L21 OR L22) OR L41 OR L42)  
 L44 107 SEA ABB=ON PLU=ON L40 OR L43  
 L45 0 SEA ABB=ON PLU=ON L44 AND (L28 OR L29 OR L30 OR L31)

FILE 'HCAPLUS' ENTERED AT 09:29:21 ON 09 OCT 2008

L46 107 SEA ABB=ON PLU=ON L44 NOT L45

FILE 'ZCAPLUS' ENTERED AT 09:29:41 ON 09 OCT 2008

L47 QUE ABB=ON PLU=ON AY<2004 OR PY<2004 OR PRY<2004 OR MY<2004  
 OR REVIEW/DT

FILE 'HCAPLUS' ENTERED AT 09:30:14 ON 09 OCT 2008

L48 55 SEA ABB=ON PLU=ON L46 AND L47  
L49 QUE ABB=ON PLU=ON RIGID?  
L50 0 SEA ABB=ON PLU=ON L48 AND L42  
L51 0 SEA ABB=ON PLU=ON L48 AND ((L18 OR L19) OR L49)  
L52 1 SEA ABB=ON PLU=ON L48 AND L20  
L53 QUE ABB=ON PLU=ON GEOM?  
L54 5 SEA ABB=ON PLU=ON L48 AND L53  
L55 5 SEA ABB=ON PLU=ON (L50 OR L51) OR L52 OR L54  
D SCAN TI HIT  
L56 8 SEA ABB=ON PLU=ON L48 AND L10  
L\*\*\* DEL 9779 S L10 AND MEDICAL?  
L57 4 SEA ABB=ON PLU=ON L48 AND MEDIC?  
L58 10 SEA ABB=ON PLU=ON (L56 OR L57)  
L59 80 SEA ABB=ON PLU=ON (L9 OR (L4 OR L5 OR L6 OR L7 OR L8))  
(L) ((L13 OR L37) (L) (L11 OR L12))  
L60 80 SEA ABB=ON PLU=ON L59 NOT "JOINT, MECHANICAL"/CT  
L61 65 SEA ABB=ON PLU=ON L59 NOT "JOINTS, MECHANICAL"/CT  
L62 66 SEA ABB=ON PLU=ON L61 OR L58  
L63 66 SEA ABB=ON PLU=ON L62 AND ((L10 OR L11 OR L12 OR L13 OR L14  
OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR  
L23) OR L37 OR L49 OR L41 OR L42)  
L64 0 SEA ABB=ON PLU=ON L63 AND (L28 OR L29 OR L30 OR L31)  
L65 0 SEA ABB=ON PLU=ON L45 OR L64  
L66 66 SEA ABB=ON PLU=ON L63 NOT L65  
L67 40 SEA ABB=ON PLU=ON L66 AND L47  
SAVE TEMP L67 BOR250HCAB/A

FILE 'STNGUIDE' ENTERED AT 09:41:08 ON 09 OCT 2008

FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 09:43:16 ON 09 OCT 2008

L68 68 SEA ABB=ON PLU=ON L27 AND L24  
L69 2 SEA ABB=ON PLU=ON L68 AND L11/IT, TI, CC, CT, ST, STP  
L70 5 SEA ABB=ON PLU=ON L68 AND (L32/IT, TI, CC, CT, ST, STP OR  
L15/IT, TI, CC, CT, ST, STP OR L23/IT, TI, CC, CT, ST, STP)  
D SCAN  
L71 7 SEA ABB=ON PLU=ON (L69 OR L70)  
L72 1 SEA ABB=ON PLU=ON L71 AND (L28 OR L29 OR L30 OR L31)  
D SCAN  
L73 6 SEA ABB=ON PLU=ON L71 NOT L72  
L74 6 SEA ABB=ON PLU=ON L73 AND L47  
D SCAN

FILE 'STNGUIDE' ENTERED AT 09:46:29 ON 09 OCT 2008

FILE 'WPIX' ENTERED AT 09:46:39 ON 09 OCT 2008

L75 QUE ABB=ON PLU=ON T01-J06A/MC  
L76 QUE ABB=ON PLU=ON S05-P/MC  
L77 1073 SEA ABB=ON PLU=ON (L24 AND L27) OR L76  
L78 5320 SEA ABB=ON PLU=ON L11 (7A) ((L14 OR L15) OR L23 OR L32)  
L79 189 SEA ABB=ON PLU=ON L78 (10A) (L13 OR L37)  
L80 12 SEA ABB=ON PLU=ON L77 AND L79  
L81 1 SEA ABB=ON PLU=ON L80 AND (L28 OR L29 OR L30 OR L31)  
L82 1 SEA ABB=ON PLU=ON L81 AND L1  
L83 1 SEA ABB=ON PLU=ON (L81 OR L82)  
L84 11 SEA ABB=ON PLU=ON L80 NOT L83  
L85 5 SEA ABB=ON PLU=ON L84 AND L47  
D TRI 1-5

FILE 'MEDLINE' ENTERED AT 09:50:31 ON 09 OCT 2008

```
      E COMPUTER SIMULATION/CT
      E E192+ALL
L86    QUE ABB=ON   PLU=ON   "COMPUTER SIMULATION"+PFT,OLD,NEW,NT/CT
      E SPINAL COLUMN/CT
      E E221+ALL
L87    QUE ABB=ON   PLU=ON   SPINE+PFT,OLD,NEW,NT/CT
      E BONES/CT
      E E235+ALL
L88    QUE ABB=ON   PLU=ON   "BONE AND BONES"+PFT,OLD,NEW,NT/CT
      E SKELETON/CT
L89    QUE ABB=ON   PLU=ON   SKELETON+PFT,OLD,NEW,NT/CT
      E VERTEBRAE/CT
      E E261+ALL
      E JOINTS/CT
L90    QUE ABB=ON   PLU=ON   JOINTS+PFT,OLD,NEW,NT/CT
L91    3506 SEA ABB=ON   PLU=ON   L86 AND (L87 OR L88 OR L89 OR L90)
L92    24925 SEA ABB=ON   PLU=ON   L11 (7A) ((L14 OR L15) OR L23 OR L32)
L93    923 SEA ABB=ON   PLU=ON   L92 (10A) (L13 OR L37)
L94    258 SEA ABB=ON   PLU=ON   L91 AND L93
      D TRI 1-3
L95    QUE ABB=ON   PLU=ON   "MODELS, BIOLOGICAL"+PFT,OLD,NEW,NT/CT
L96    2 SEA ABB=ON   PLU=ON   L94 AND L42
L97    99 SEA ABB=ON   PLU=ON   L94 AND L41
L98    45 SEA ABB=ON   PLU=ON   L94 AND L53
L99    150 SEA ABB=ON   PLU=ON   L94 AND L95
L100   68 SEA ABB=ON   PLU=ON   L99 AND (L96 OR L97 OR L98)
L101   0 SEA ABB=ON   PLU=ON   L100 AND (L28 OR L29 OR L30 OR L31)
L102   68 SEA ABB=ON   PLU=ON   L100 NOT L101
L103   32 SEA ABB=ON   PLU=ON   L102 AND L47
L104   31 SEA ABB=ON   PLU=ON   L103/MAJ
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FILE 'STNGUIDE' ENTERED AT 09:56:45 ON 09 OCT 2008

FILE 'STNGUIDE' ENTERED AT 10:46:59 ON 09 OCT 2008

FILE 'EMBASE' ENTERED AT 10:47:18 ON 09 OCT 2008

```
      E COMPUTER SIMULATION/CT
      E E287+ALL
L105   QUE ABB=ON   PLU=ON   "COMPUTER SIMULATION"+PFT,OLD,NEW,NT/CT
      E BONE/CT
L106   QUE ABB=ON   PLU=ON   BONE+PFT,OLD,NEW,NT/CT
      E SKELETON/CT
L107   QUE ABB=ON   PLU=ON   SKELETON+PFT,OLD,NEW,NT/CT
      E JOINT/CT
L108   QUE ABB=ON   PLU=ON   JOINT+PFT,OLD,NEW,NT/CT
      E SPINE/CT
L109   QUE ABB=ON   PLU=ON   SPINE+PFT,OLD,NEW,NT/CT
      E VERTEBRA/CT
L110   QUE ABB=ON   PLU=ON   VERTEBRA+PFT,OLD,NEW,NT/CT
L111   436 SEA ABB=ON   PLU=ON   L105 AND (L106 OR L107 OR L108 OR L109 OR
      L110)
L112   22188 SEA ABB=ON   PLU=ON   L11 (7A) ((L14 OR L15) OR L23 OR L32)
L113   788 SEA ABB=ON   PLU=ON   L112 (10A) (L13 OR L37)
L114   70 SEA ABB=ON   PLU=ON   L111 AND L113
L115   0 SEA ABB=ON   PLU=ON   L114 AND (L28 OR L29 OR L30 OR L31)
L116   70 SEA ABB=ON   PLU=ON   L114 NOT L115
L117   43 SEA ABB=ON   PLU=ON   L116 AND L47
L118   21 SEA ABB=ON   PLU=ON   L117/MAJ
      D TRI 20-21
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FILE 'STNGUIDE' ENTERED AT 10:50:54 ON 09 OCT 2008

FILE 'STNGUIDE' ENTERED AT 11:38:01 ON 09 OCT 2008

FILE 'JAPIO' ENTERED AT 11:38:40 ON 09 OCT 2008

L119 117 SEA ABB=ON PLU=ON L24 AND (L25 OR L26 OR L27)  
L120 348 SEA ABB=ON PLU=ON L11 (7A)((L14 OR L15) OR L23 OR L32)  
L121 14 SEA ABB=ON PLU=ON L120 (15A)(L13 OR L37)  
L122 0 SEA ABB=ON PLU=ON L119 AND L120  
L123 14 SEA ABB=ON PLU=ON (L121 OR L122)  
L124 1 SEA ABB=ON PLU=ON L123 AND L24  
D TRI  
D SCAN  
D TRI L123 1-14  
L125 2 SEA ABB=ON PLU=ON L123 AND (SKELETON/TI OR SKELETAL?/TI)  
L126 3 SEA ABB=ON PLU=ON L123 AND A61?/IPC  
L127 4 SEA ABB=ON PLU=ON (L124 OR L125 OR L126)  
D TRI 1-4  
L\*\*\* DEL 0 S L127 AND (ELBAROUDI OR (EL(1W)BAROUDI))/AN  
L128 0 SEA ABB=ON PLU=ON L127 AND (ELBAROUDI OR (EL(1W)BAROUDI))/AU  
  
L129 0 SEA ABB=ON PLU=ON L127 AND L31  
L130 0 SEA ABB=ON PLU=ON (L128 OR L129)  
L131 4 SEA ABB=ON PLU=ON L127 NOT L130  
L132 1 SEA ABB=ON PLU=ON L131 AND L47  
D BIB KWIX

FILE 'STNGUIDE' ENTERED AT 11:45:11 ON 09 OCT 2008

FILE 'BIOSIS, PASCAL, CABA, CEABA-VTB, LIFESCI, BIOENG, BIOTECHNO,  
BIOTECHDS, DRUGU, DRUGB, VETU, VETB, SCISEARCH, CONFSCI, DISSABS,  
RDISCLOSURE' ENTERED AT 11:45:49 ON 09 OCT 2008

L133 89590 SEA ABB=ON PLU=ON L11 (7A)((L14 OR L15) OR L23 OR L32)  
L134 3914 SEA ABB=ON PLU=ON L133 (15A)(L13 OR L37)  
L135 1645 SEA ABB=ON PLU=ON L134 AND (L10 OR MEDIC? OR DIAGNOS?)  
L136 861 SEA ABB=ON PLU=ON L135 AND (L16 OR L17 OR L53 OR L41 OR L42)  
  
L137 259 SEA ABB=ON PLU=ON L136 AND L53  
L138 0 SEA ABB=ON PLU=ON L137 AND (L28 OR L29 OR L30 OR L31)  
L139 259 SEA ABB=ON PLU=ON L137 NOT L138  
L140 163 SEA ABB=ON PLU=ON L139 AND L47  
L141 38 SEA ABB=ON PLU=ON L140 AND ((L18 OR L19) OR L49)

FILE 'STNGUIDE' ENTERED AT 11:59:58 ON 09 OCT 2008

D QUE L67  
D QUE L74  
D QUE L85  
D QUE L104  
D QUE L118  
D QUE L132  
D QUE L141

FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, JAPIO, BIOSIS, PASCAL,  
LIFESCI, BIOENG, SCISEARCH, DISSABS' ENTERED AT 12:01:27 ON 09 OCT 2008

L142 117 DUP REM L67 L74 L85 L104 L118 L132 L141 (25 DUPLICATES REMOVED  
ANSWERS '1-40' FROM FILE HCAPLUS  
ANSWERS '41-46' FROM FILE USPATFULL  
ANSWERS '47-51' FROM FILE WPIX  
ANSWERS '52-81' FROM FILE MEDLINE

ANSWERS '82-99' FROM FILE EMBASE  
ANSWER '100' FROM FILE JAPIO  
ANSWERS '101-107' FROM FILE BIOSIS  
ANSWERS '108-112' FROM FILE PASCAL  
ANSWERS '113-115' FROM FILE BIOENG  
ANSWERS '116-117' FROM FILE DISSABS  
SAVE TEMP L142 BOR250MAIN/A

FILE 'STNGUIDE' ENTERED AT 12:01:52 ON 09 OCT 2008

FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, JAPIO, BIOSIS, PASCAL,  
BIOENG, DISSABS' ENTERED AT 12:02:33 ON 09 OCT 2008  
D IBIB ED ABS HITIND

FILE 'STNGUIDE' ENTERED AT 12:02:34 ON 09 OCT 2008

FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, JAPIO, BIOSIS, PASCAL,  
BIOENG, DISSABS' ENTERED AT 12:02:46 ON 09 OCT 2008  
D IBIB ED ABS HITIND 2-20

FILE 'STNGUIDE' ENTERED AT 12:02:48 ON 09 OCT 2008

FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, JAPIO, BIOSIS, PASCAL,  
BIOENG, DISSABS' ENTERED AT 12:03:26 ON 09 OCT 2008  
D IBIB ED ABS HITIND 21-40

FILE 'STNGUIDE' ENTERED AT 12:03:28 ON 09 OCT 2008

FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, JAPIO, BIOSIS, PASCAL,  
BIOENG, DISSABS' ENTERED AT 12:03:56 ON 09 OCT 2008  
D IBIB AB 41-46

FILE 'STNGUIDE' ENTERED AT 12:03:57 ON 09 OCT 2008

FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, JAPIO, BIOSIS, PASCAL,  
BIOENG, DISSABS' ENTERED AT 12:04:25 ON 09 OCT 2008  
D IALL ABEQ TECH ABEX 47-51

FILE 'STNGUIDE' ENTERED AT 12:04:28 ON 09 OCT 2008

FILE 'HCAPLUS, USPATFULL, WPIX, MEDLINE, EMBASE, JAPIO, BIOSIS, PASCAL,  
BIOENG, DISSABS' ENTERED AT 12:05:32 ON 09 OCT 2008  
D BIB ED AB IND 52-117

FILE 'STNGUIDE' ENTERED AT 12:05:38 ON 09 OCT 2008

D QUE L65  
D QUE L72  
D QUE L83  
D QUE L101  
D QUE L115  
D QUE L130  
D QUE L138

FILE 'USPATFULL, WPIX' ENTERED AT 12:08:26 ON 09 OCT 2008  
L143 2 DUP REM L65 L72 L83 L101 L115 L130 L138 (0 DUPLICATES REMOVED)  
ANSWER '1' FROM FILE USPATFULL  
ANSWER '2' FROM FILE WPIX  
SAVE TEMP L143 BRO250INV/A

FILE 'STNGUIDE' ENTERED AT 12:08:39 ON 09 OCT 2008

FILE 'USPATFULL, WPIX' ENTERED AT 12:08:58 ON 09 OCT 2008  
D IBIB ED ABS

FILE 'STNGUIDE' ENTERED AT 12:09:02 ON 09 OCT 2008

FILE 'USPATFULL, WPIX' ENTERED AT 12:09:14 ON 09 OCT 2008  
D IALL ABEQ TECH ABEX 2

FILE 'STNGUIDE' ENTERED AT 12:09:16 ON 09 OCT 2008

FILE 'STNGUIDE' ENTERED AT 12:09:26 ON 09 OCT 2008